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Claims

- 5 1. A lock for two-wheel vehicles for the securing of a two-wheel vehicle,
in which a lock section (11, 61, 77) has one or more ceramic rein-
forcement elements (17, 51, 81) in a metal/ceramic composite or is
fully ceramic (61).
- 10 2. A lock for two-wheel vehicles in accordance with claim 1, character-
ized in that the ceramic reinforcement elements (17, 51, 81) are pro-
vided with a metal jacket (15, 31, 77).
- 15 3. A lock for two-wheel vehicles in accordance with claim 1, character-
ized
in that the lock for two-wheel vehicles is a hoop lock; and
in that the lock section is a hoop (11) of the hoop lock which has a
hollow hoop (15) in which the ceramic reinforcement elements (17,
51) are arranged.
- 20 4. A lock for two-wheel vehicles in accordance with claim 3, character-
ized in that the diameter of the ceramic reinforcement elements (17)
amount to approximately 1/3 of the internal diameter of the hollow
hoop (15).
- 25 5. A lock for two-wheel vehicles in accordance with claim 1, character-
ized in that the lock section is a section of a housing (77) of the lock
for two-wheel vehicles, in particular of a brake disk lock.

6. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the ceramic reinforcement elements (17) are embedded in a matrix (29, 31) of an epoxy resin, of a plastic, of an elastomer, of a polymer, of a cement, or of a metal.
7. A lock for two-wheel vehicles in accordance with claim 6, characterized in that the matrix is a solid honeycomb structure (31) into which the ceramic reinforcement elements (17) are inserted.
8. A lock for two-wheel vehicles in accordance with claim 6, characterized in that the matrix is a honeycomb structure (31) of metal into which the ceramic reinforcement elements (17) are melted such that the ceramic reinforcement elements (17) are fixed in position.
9. A lock for two-wheel vehicles in accordance with claim 6, characterized in that the matrix is formed by a binding agent (29) into which the ceramic reinforcement elements (17) are poured.
10. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the ceramic reinforcement elements (17) have an elongate shape.
11. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the ceramic reinforcement elements (17) have a round or a polygonal cross-section.

12. A lock for two-wheel vehicles in accordance with claim 1, characterized in that a plurality of ceramic reinforcement elements (17) are arranged parallel to one another.
- 5 13. A lock for two-wheel vehicles in accordance with claim 1, characterized in that a plurality of ceramic reinforcement elements (17) are arranged axially offset to one another.
- 10 14. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the ceramic reinforcement elements (17) are arranged axially overlapping, with the ceramic reinforcement elements (17) preferably having convex and concave end faces, with the convex end face of a reinforcement element (17) and the concave end face of a reinforcement element (17) adjacent thereto engaging into one another.
- 15 15. A lock for two-wheel vehicles in accordance with claim 1, characterized in that between three and twelve reinforcement elements (17) are arranged next to one another.
- 20 16. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the ceramic reinforcement elements (17) have an aspect ratio from 1 to 1,000, with a diameter from 0.1 to 10 mm and with a length from 1 to 100 mm.
- 25 17. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the ceramic reinforcement elements (17) have a length from 10 to 20 mm.

18. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the ceramic reinforcement elements (17) have a length from 0.7 to 1.5 mm.

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19. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the ceramic reinforcement elements (17) are made partly or completely from Al_2O_3 , ZrO_2 , Si_3N_4 , SiC , TiC , a hard metal or a cermet.

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20. A lock for two-wheel vehicles in accordance with claim 1, characterized in that the lock for two-wheel vehicles is a hoop lock; and in that the hoop section is a fully ceramic hoop (61) of the hoop lock.

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21. A lock for two-wheel vehicles in accordance with claim 20, characterized in that the fully ceramic hoop (61) is made partly or completely from Al_2O_3 , ZrO_2 , Si_3N_4 , SiC , TiC , a hard metal or a cermet.

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